

09/926,240

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1204RXW

PASSWORD :

TERMINAL (ENTER 1, 2, 3, OR ?) :2

* * * * * * * * * * * Welcome to STN International * * * * * * * * * * *

| | | |
|--------------|----|---|
| NEWS | 1 | Web Page URLs for STN Seminar Schedule - N. America |
| NEWS | 2 | "Ask CAS" for self-help around the clock |
| NEWS | 3 | May 12 EXTEND option available in structure searching |
| NEWS | 4 | May 12 Polymer links for the POLYLINK command completed in REGISTRY |
| NEWS | 5 | May 27 New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus |
| NEWS | 6 | May 27 CAplus super roles and document types searchable in REGISTRY |
| NEWS | 7 | Jun 28 Additional enzyme-catalyzed reactions added to CASREACT |
| NEWS | 8 | Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R) |
| NEWS | 9 | Jul 12 BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS |
| NEWS | 10 | Jul 30 BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting |
| NEWS | 11 | AUG 02 IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields |
| NEWS | 12 | AUG 02 CAplus and CA patent records enhanced with European and Japan Patent Office Classifications |
| NEWS | 13 | AUG 02 STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting |
| NEWS | 14 | AUG 02 The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available |
| NEWS | 15 | AUG 04 Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004 |
| NEWS | 16 | AUG 27 BIOCOMMERCE: Changes and enhancements to content coverage |
| NEWS | 17 | AUG 27 BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC |
| NEWS | 18 | SEP 01 INPADOC: New family current-awareness alert (SDI) available |
| NEWS | 19 | SEP 01 New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! |
| NEWS | 20 | SEP 01 New display format, HITSTR, available in WPIDS/WPINDEX/WPIX |
| NEWS EXPRESS | | JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004 |
| NEWS HOURS | | STN Operating Hours Plus Help Desk Availability |
| NEWS INTER | | General Internet Information |
| NEWS LOGIN | | Welcome Banner and News Items |
| NEWS PHONE | | Direct Dial and Telecommunication Network Access to STN |
| NEWS WWW | | CAS World Wide Web Site (general information) |

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 17:56:50 ON 03 SEP 2004

FILE 'REGISTRY' ENTERED AT 17:57:01 ON 03 SEP 2004
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 SEP 2004 HIGHEST RN 737922-52-0
DICTIONARY FILE UPDATES: 2 SEP 2004 HIGHEST RN 737922-52-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END) :end

=>
Uploading C:\Program Files\Stnexp\Queries\926240b.str

The diagram illustrates a chemical transformation. On the left, a branched alkene molecule is shown with two methyl groups labeled 'G1' attached to the same carbon atom. This molecule reacts with another identical molecule to form a cyclohexane ring. The resulting cyclohexane has carbons numbered 1 through 12. A substituent group is attached to carbon 1, and a methyl group labeled 'G1' is attached to carbon 2. An oxygen atom is attached to carbon 3, and a hydrogen atom is attached to carbon 4. A methyl group labeled 'G1' is attached to carbon 5, and a hydrogen atom is attached to carbon 6. A methyl group labeled 'G1' is attached to carbon 7, and a hydrogen atom is attached to carbon 8. A hydrogen atom is attached to carbon 9, and a methyl group labeled 'G1' is attached to carbon 10. A hydrogen atom is attached to carbon 11, and a methyl group labeled 'G1' is attached to carbon 12.

```

chain nodes :
1 2 3 4 5 6 7 8 9 10 11 12 15 16 17 19 20 21 22 25 26
chain bonds :
1-2 2-3 2-12 3-4 3-11 3-25 4-5 5-6 6-7 6-10 7-8 7-9 15-16 16-17 16-21
17-19 17-22 19-20 25-26
exact/norm bonds :
2-12 3-11 3-25 6-10 7-9 16-21 17-22 19-20 25-26
exact bonds :
1-2 2-3 3-4 4-5 5-6 6-7 7-8 15-16 16-17 17-19

```

G1 : C, H

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.

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 15:CLASS 16:CLASS 17:CLASS 19:CLASS 20:CLASS

21:CLASS 22:CLASS 25:CLASS 26:CLASS

fragments assigned reactant/reagent role:

containing 1

containing 15

L1 STRUCTURE UPLOADED

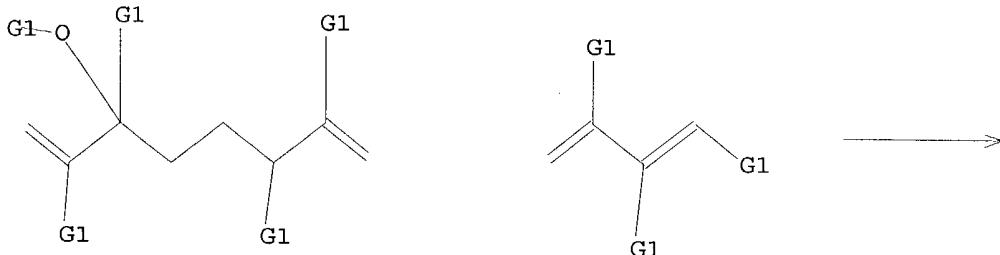
=> que L1

L2 QUE L1

=> d

L2 HAS NO ANSWERS

L1 STR



G1 C,H

Structure attributes must be viewed using STN Express query preparation.

L2 QUE L1

=> file reaction

COST IN U.S. DOLLARS

| SINCE FILE ENTRY | TOTAL SESSION |
|------------------|---------------|
|------------------|---------------|

FULL ESTIMATED COST

0.42 0.63

FILE 'CASREACT' ENTERED AT 17:57:23 ON 03 SEP 2004

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FILE 'CHEMINFORMRX' ENTERED AT 17:57:23 ON 03 SEP 2004

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FILE 'DJSMONLINE' ENTERED AT 17:57:23 ON 03 SEP 2004

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FILE 'PS' ENTERED AT 17:57:23 ON 03 SEP 2004

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=> s 12

SAMPLE SEARCH INITIATED 17:57:29 FILE 'CASREACT'

SCREENING COMPLETE - 3090 REACTIONS TO VERIFY FROM 188 DOCUMENTS

100.0% DONE 3090 VERIFIED 139 HIT RXNS

3 DOCS

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SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED VERIFICATIONS: 58478 TO 65122

PROJECTED ANSWERS: 3 TO 163

SAMPLE SEARCH INITIATED 17:57:30 FILE 'CHEMINFORMRX'

SCREENING COMPLETE - 217 REACTIONS TO VERIFY FROM 63 DOCUMENTS

100.0% DONE 217 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.06

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED VERIFICATIONS: 3458 TO 5222

PROJECTED ANSWERS: 0 TO 0

FULL SEARCH INITIATED 17:57:37 FILE 'DJSMONLINE'

SCREENING COMPLETE - 189 REACTIONS TO VERIFY FROM 172 DOCUMENTS

100.0% DONE 189 VERIFIED 1 HIT RXNS 1 DOCS
SEARCH TIME: 00.00.11

3 FILES SEARCHED...

FULL SEARCH INITIATED 17:57:49 FILE 'PS'
SCREENING COMPLETE - 2 REACTIONS TO VERIFY FROM 2 DOCUMENTS

100.0% DONE 2 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

L3 4 L2

=> s 12 ful

FULL SEARCH INITIATED 17:57:56 FILE 'CASREACT'
SCREENING COMPLETE - 63564 REACTIONS TO VERIFY FROM 4035 DOCUMENTS

100.0% DONE 63564 VERIFIED 743 HIT RXNS 44 DOCS
SEARCH TIME: 00.00.04

FULL SEARCH INITIATED 17:58:00 FILE 'CHEMINFORMRX'
SCREENING COMPLETE - 3843 REACTIONS TO VERIFY FROM 1262 DOCUMENTS

100.0% DONE 3843 VERIFIED 12 HIT RXNS 8 DOCS
SEARCH TIME: 00.00.26

2 FILES SEARCHED...

FULL SEARCH INITIATED 17:58:27 FILE 'DJSMONLINE'
SCREENING COMPLETE - 189 REACTIONS TO VERIFY FROM 172 DOCUMENTS

100.0% DONE 189 VERIFIED 1 HIT RXNS 1 DOCS
SEARCH TIME: 00.00.04

FULL SEARCH INITIATED 17:58:32 FILE 'PS'
SCREENING COMPLETE - 2 REACTIONS TO VERIFY FROM 2 DOCUMENTS

100.0% DONE 2 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

L4 53 L2

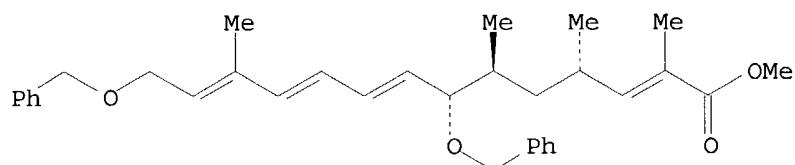
=> d scan

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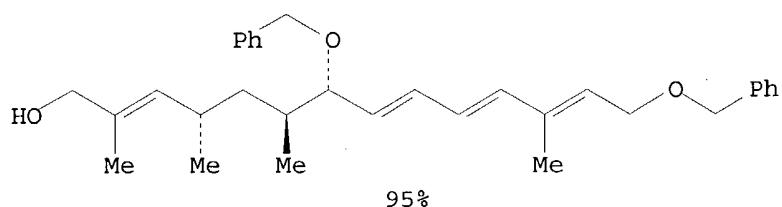
L4 53 ANSWERS CASREACT COPYRIGHT 2004 ACS on STN

TI Stereoselective synthesis of a nonracemic hydronaphthalene subunit of kijanolide

RX(13) OF 190



AlH(Bu-i)2, Et2O →



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> s 12 ful css

FULL SEARCH INITIATED 17:59:16 FILE 'CASREACT'
SCREENING COMPLETE - 63564 REACTIONS TO VERIFY FROM 4035 DOCUMENTS

100.0% DONE 63564 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.04

FULL SEARCH INITIATED 17:59:22 FILE 'CHEMINFORMRX'
SCREENING COMPLETE - 3843 REACTIONS TO VERIFY FROM 1262 DOCUMENTS

100.0% DONE 3843 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.10

2 FILES SEARCHED...
FULL SEARCH INITIATED 17:59:33 FILE 'DJSMONLINE'
SCREENING COMPLETE - 189 REACTIONS TO VERIFY FROM 172 DOCUMENTS

100.0% DONE 189 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.03

FULL SEARCH INITIATED 17:59:37 FILE 'PS'
SCREENING COMPLETE - 2 REACTIONS TO VERIFY FROM 2 DOCUMENTS

100.0% DONE 2 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

L5 0 L2

=> file reg
COST IN U.S. DOLLARS SINCE FILE TOTAL
FULL ESTIMATED COST ENTRY SESSION
576.67 577.30

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FILE 'REGISTRY' ENTERED AT 18:00:51 ON 03 SEP 2004
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STRUCTURE FILE UPDATES: 2 SEP 2004 HIGHEST RN 737922-52-0
DICTIONARY FILE UPDATES: 2 SEP 2004 HIGHEST RN 737922-52-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>
Uploading C:\Program Files\Stnexp\Queries\926240a.str

chain nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 15 17 18 19 21 22 23 24
chain bonds :
1-2 1-15 2-3 3-4 3-13 4-5 4-12 5-6 6-7 7-8 7-11 8-9 8-10 17-18 18-19
18-23 19-21 19-24 21-22
exact/norm bonds :
1-2 1-15 3-13 4-12 7-11 8-10 18-23 19-24 21-22
exact bonds :
2-3 3-4 4-5 5-6 6-7 7-8 8-9 17-18 18-19 19-21

G1:C,H

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 15:CLASS 17:CLASS 18:CLASS 19:CLASS
21:CLASS 22:CLASS 23:CLASS 24:CLASS
fragments assigned reactant/reagent role:
containing 1
containing 17

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L6 STRUCTURE UPLOADED

=> que L6

L7 QUE L6

=> d

L7 HAS NO ANSWERS

L6 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

L7 QUE L6

=> s 16

SAMPLE SEARCH INITIATED 18:01:47 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 4590 TO ITERATE

21.8% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

1 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 87738 TO 95862
PROJECTED ANSWERS: 1 TO 219

L8 1 SEA SSS SAM L6

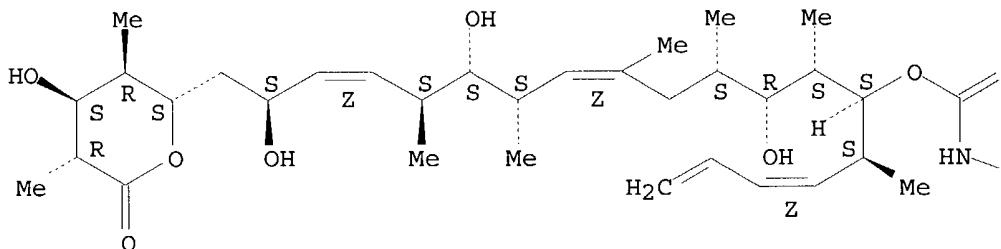
=> d

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN 497864-17-2 REGISTRY
CN Carbamic acid, (4-benzoylphenyl)-, (1S,2S,3R,4S,6Z,8S,9S,10S,11Z,13S)-3,9,13-trihydroxy-2,4,6,8,10-pentamethyl-1-[(1S,2Z)-1-methyl-2,4-pentadienyl]-14-[(2S,3R,4S,5R)-tetrahydro-4-hydroxy-3,5-dimethyl-6-oxo-2H-pyran-2-yl]-6,11-tetradecadienyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C46 H63 N O9
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

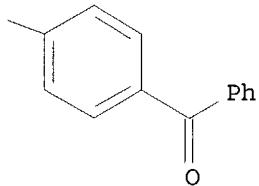
Absolute stereochemistry.

Double bond geometry as shown.

PAGE 1-A



O



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

| | | | |
|----------------------|--|------------|---------|
| => file reaction | | | |
| COST IN U.S. DOLLARS | | SINCE FILE | TOTAL |
| | | ENTRY | SESSION |
| FULL ESTIMATED COST | | 3.03 | 580.33 |

FILE 'CASREACT' ENTERED AT 18:02:18 ON 03 SEP 2004
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FILE 'DJSMONLINE' ENTERED AT 18:02:18 ON 03 SEP 2004
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FILE 'PS' ENTERED AT 18:02:18 ON 03 SEP 2004
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=> s 16
 SAMPLE SEARCH INITIATED 18:02:31 FILE 'CASREACT'
 SCREENING COMPLETE - 4200 REACTIONS TO VERIFY FROM 281 DOCUMENTS

100.0% DONE 4200 VERIFIED 2 HIT RXNS 2 DOCS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED VERIFICATIONS: 80132 TO 87868
 PROJECTED ANSWERS: 2 TO 124

SAMPLE SEARCH INITIATED 18:02:33 FILE 'CHEMINFORMRX'
 SCREENING COMPLETE - 447 REACTIONS TO VERIFY FROM 115 DOCUMENTS

100.0% DONE 447 VERIFIED 0 HIT RXNS 0 DOCS
 SEARCH TIME: 00.00.05

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED VERIFICATIONS: 7677 TO 10203

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PROJECTED ANSWERS: 0 TO 0

FULL SEARCH INITIATED 18:02:38 FILE 'DJSMONLINE'
SCREENING COMPLETE - 440 REACTIONS TO VERIFY FROM 399 DOCUMENTS

100.0% DONE 440 VERIFIED 2 HIT RXNS 2 DOCS
SEARCH TIME: 00.00.07

FULL SEARCH INITIATED 18:02:48 FILE 'PS'
SCREENING COMPLETE - 15 REACTIONS TO VERIFY FROM 7 DOCUMENTS

100.0% DONE 15 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

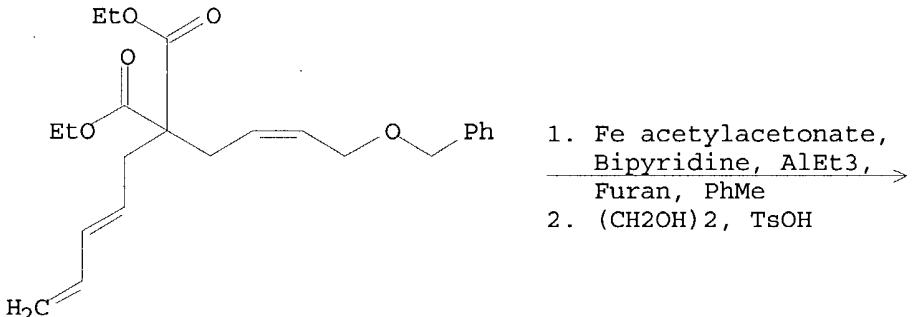
L9 4 L6

=> d scan

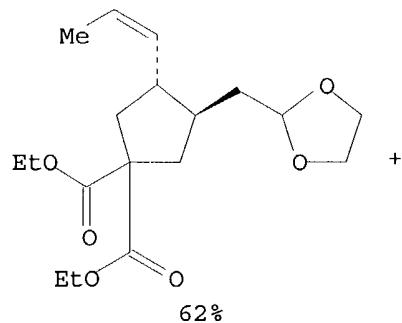
L9 4 ANSWERS CASREACT COPYRIGHT 2004 ACS on STN

TI Catalytic iron-mediated triene carbocyclizations: stereoselective five-membered ring forming carbocyclizations

RX(8) OF 12

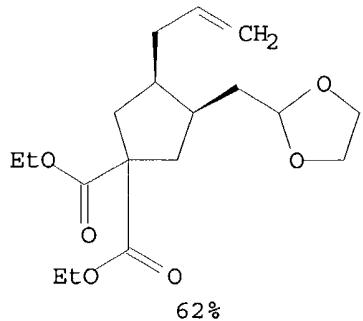


(step 1)



09/926,240

RX(8) OF 12



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s 16 full css
FULL SEARCH INITIATED 18:03:23 FILE 'CASREACT'
SCREENING COMPLETE - 83723 REACTIONS TO VERIFY FROM 5868 DOCUMENTS

100.0% DONE 83723 VERIFIED 1 HIT RXNS 1 DOCS
SEARCH TIME: 00.00.04

FULL SEARCH INITIATED 18:03:28 FILE 'CHEMINFORMRX'
SCREENING
SCREENING COMPLETE - 7568 REACTIONS TO VERIFY FROM 2199 DOCUMENTS

90.0% DONE 6808 VERIFIED 0 HIT RXNS 0 DOCS
100.0% DONE 7568 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.35

2 FILES SEARCHED...
FULL SEARCH INITIATED 18:04:04 FILE 'DJSMONLINE'
SCREENING COMPLETE - 440 REACTIONS TO VERIFY FROM 399 DOCUMENTS

100.0% DONE 440 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.08

FULL SEARCH INITIATED 18:04:12 FILE 'PS'
SCREENING COMPLETE - 15 REACTIONS TO VERIFY FROM 7 DOCUMENTS

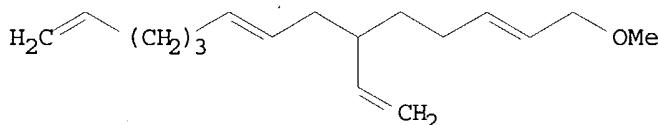
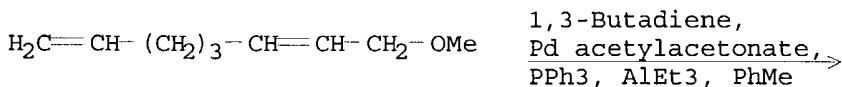
100.0% DONE 15 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

L10 1 L6

=> d

L10 ANSWER 1 OF 1 CASREACT COPYRIGHT 2004 ACS on STN

RX(5) OF 18



REF: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya, (12), 2763-6;
 1985

=> d all

- L10 ANSWER 1 OF 1 CASREACT COPYRIGHT 2004 ACS on STN
 AN 106:49564 CASREACT
 TI Catalytic reaction of palladium π -allyl complexes with allyl O- and N-nucleophiles - a new prospective route to the synthesis of C16 amines and ethers
 AU Fakhretdinov, R. N.; Telin, A. G.; Dzhemilev, U. M.
 CS Inst. Khim., Ufa, USSR
 SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1985), (12), 2763-6
 CODEN: IASKA6; ISSN: 0002-3353
 DT Journal
 LA Russian
 CC 23-4 (Aliphatic Compounds)
 AB Treating N-(2,7-octadienyl)piperidine (I) and -morpholine with excess butadiene (II) at 100° in PhMe containing 1:3:3 M Pd[CH(COMe)2]2 (III)-Ph₃P-Et₃Al gave 43-60% N-(6-vinyl-2E,8E,13-tetradecatrienyl)piperidine (IV) and -morpholine, resp. Analogous reaction of I with added CF₃CO₂H gave 33% N-(5-methyl-5-vinyl-2E,7E,12-tridecatrienyl)piperidine, which was also formed from piperidine and 2,7-octadienyl acetate (V) using III-Ph₃P-Et₃Al. 1-Piperidino-2E- and 3-piperidino-1-butene reacted with excess II as above to give 78:12 I-IV, and analogous reaction of 2-piperidino-3E-pentene also gave trans-piperylene quant. Under similar conditions, 1-methoxy- and 1-butoxy-2,7-octadiene gave 12-16% 1-alkoxy-6-vinyl-2E,8E,13-tetradecatriene, and AcOCH₂CH:CH₂ and V gave 26% H(CH:CH)2CH₂CH(CH:CH₂)CH₂CH:CH₂ and 48% H[(CH:CH)₂(CH₂)₃]₂CH:CH₂, resp. These reactions proceeded via σ,π^* -allylic complex of Pd with I dimer.
 ST palladium catalyst butadiene reaction octadienylamine; insertion butadiene dimer piperidinoalkene catalyst; nucleophile allylic insertion butadiene dimer
 IT Nucleophiles
 (allylic, insertion reaction of, with butadiene dimer, catalytic)
 IT Insertion reaction
 (of butadiene dimer with allylic nucleophiles, mechanism of catalytic)
 IT Insertion reaction catalysts
 (palladium complexes, for insertion reaction of butadiene dimer with allylic nucleophiles)
 IT 603-35-0, Triphenylphosphine, uses and miscellaneous
 RL: CAT (Catalyst use); USES (Uses)
 (catalysts, with palladium bis(acetylacetonate) and triethylaluminum, for insertion reaction of excess butadiene with allylic oxygen and

IT nitrogen nucleophiles)
97-93-8, Triethylaluminum, uses and miscellaneous
RL: CAT (Catalyst use); USES (Uses)
(catalysts, with palladium bis(acetylacetone) and triphenylphosphine,
for insertion reaction of excess butadiene with allylic oxygen and
nitrogen nucleophiles)

IT 14024-61-4, Palladium bis(acetylacetone)
RL: CAT (Catalyst use); USES (Uses)
(catalysts, with triphenylphosphine and triethylaluminum, for insertion
reaction of excess butadiene with allylic oxygen and nitrogen
nucleophiles)

IT 2004-70-8P, trans-Piperylene
RL: FORM (Formation, nonpreparative); PREP (Preparation)
(formation of, in reaction of piperidinopentene with excess butadiene)

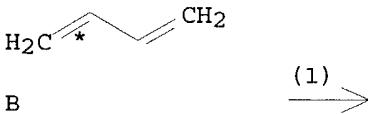
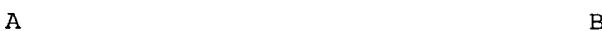
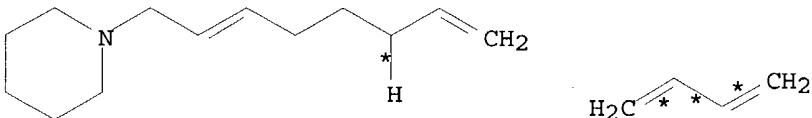
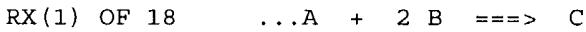
IT 106306-35-8P 106306-36-9P 106306-37-0P 106306-38-1P 106306-39-2P
106306-40-5P 106306-41-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

IT 106-99-0, Butadiene, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with allylic oxygen and nitrogen nucleophiles, catalysts
for)

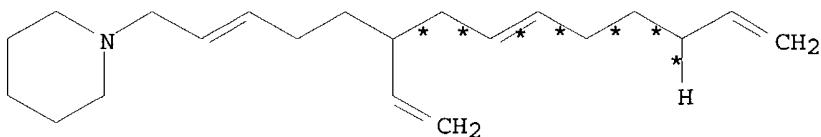
IT 591-87-7, Allyl acetate 14543-49-8, Methyl 2,7-octadienyl ether
25017-06-5, N-(2,7-Octadienyl)morpholine 27951-29-7, Butyl
2,7-octadienyl ether 36807-52-0 37857-34-4 67732-44-9 76927-76-9
93548-39-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with excess butadiene, catalysts for)

IT 110-89-4, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with octadienyl acetate, catalysts for)

IT 3491-27-8, 2,7-Octadienyl acetate
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with piperidine and with butadiene, catalysts for)



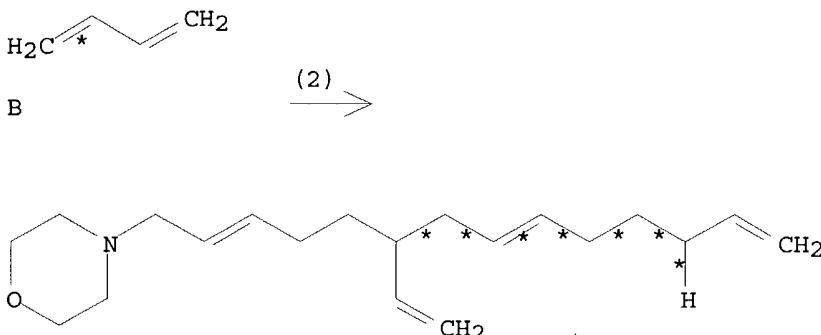
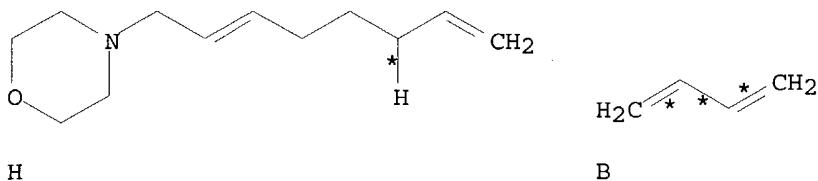
09/926,240



C

RX(1) RCT A 67732-44-9, B 106-99-0
PRO C 106306-35-8
CAT 14024-61-4 Pd acetylacetone, 603-35-0 PPh₃, 97-93-8 AlEt₃
SOL 108-88-3 PhMe

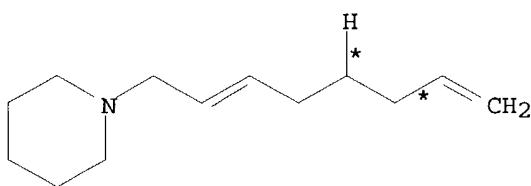
RX(2) OF 18 H + 2 B ==> I



I

RX(2) RCT H 25017-06-5, B 106-99-0
PRO I 106306-36-9
CAT 14024-61-4 Pd acetylacetone, 603-35-0 PPh₃, 97-93-8 AlEt₃
SOL 108-88-3 PhMe

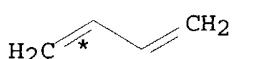
RX(3) OF 18 ...A + 2 B ==> J



A

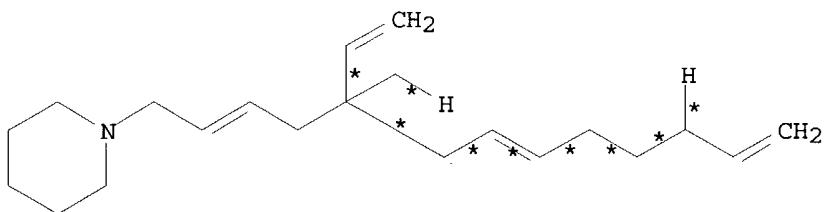


B



B

(3) 



J

RX(3) RCT A 67732-44-9, B 106-99-0

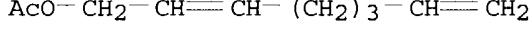
PRO J 106306-37-0

CAT 14024-61-4 Pd

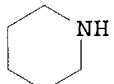
CAI 14024-01-14 acetylacetone, 60% 95% 0 111ms, 37% 95% 0 111ms,
 76-05-1 F3CCO2H
 SOI 108-88-3 PhMe

SOL 108-88-3 PhMe

RX(4) OF 18 L + M > J



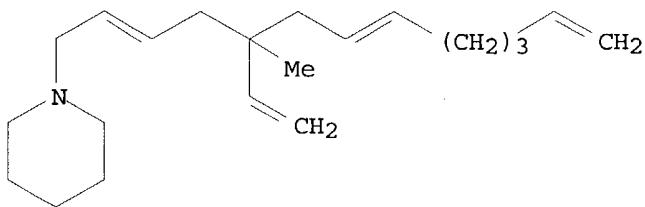
L



M

(4) 

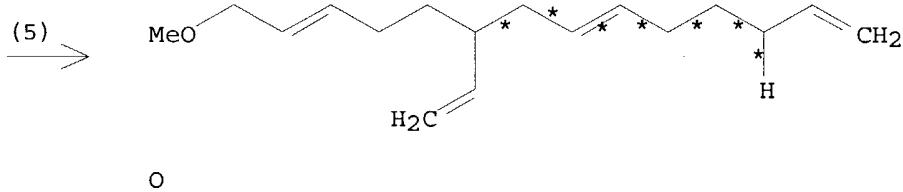
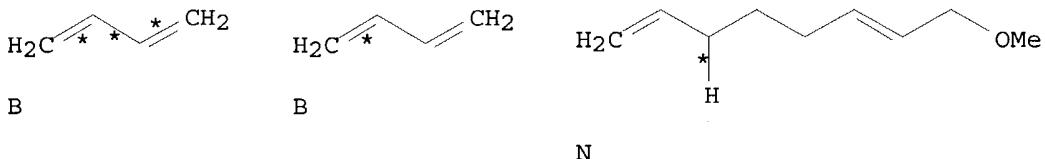
09/926,240



J

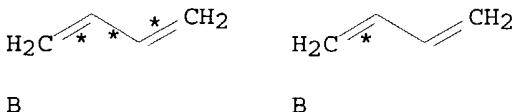
RX(4) RCT L 3491-27-8, M 110-89-4
PRO J 106306-37-0
CAT 14024-61-4 Pd acetylacetone, 603-35-0 PPh₃, 97-93-8 AlEt₃
SOL 108-88-3 PhMe

RX(5) OF 18 2 B + N ==> O

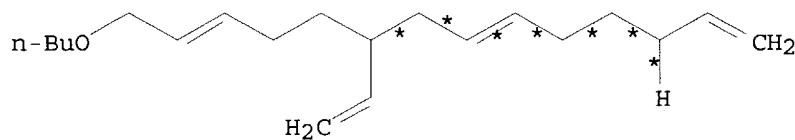
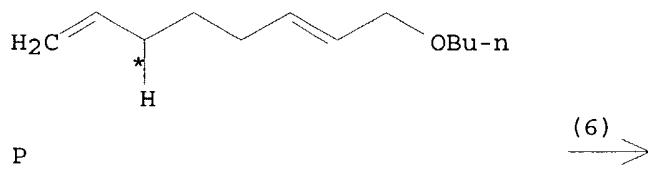


RX(5) RCT B 106-99-0, N 14543-49-8
PRO O 106306-38-1
CAT 14024-61-4 Pd acetylacetone, 603-35-0 PPh₃, 97-93-8 AlEt₃
SOL 108-88-3 PhMe

RX(6) OF 18 2 B + P ==> Q

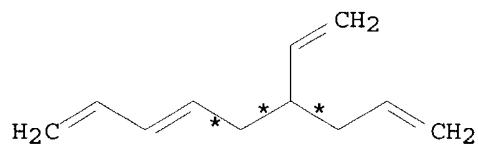
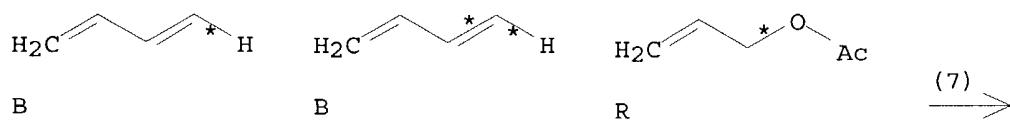


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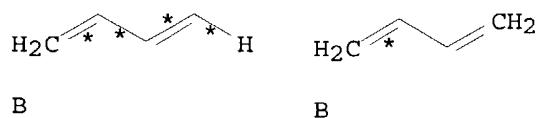
RX(6) RCT B 106-99-0, P 27951-29-7
PRO Q 106306-39-2
CAT 14024-61-4 Pd acetylacetone, 603-35-0 PPh₃, 97-93-8 AlEt₃
SOL 108-88-3 PhMe

RX(7) OF 18 2 B + R ==> S

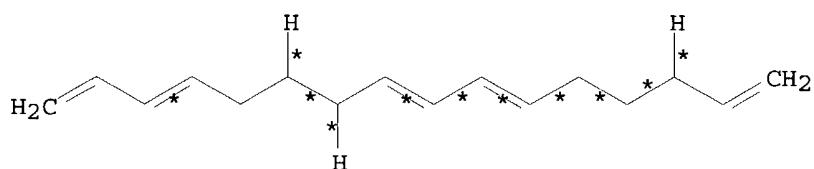
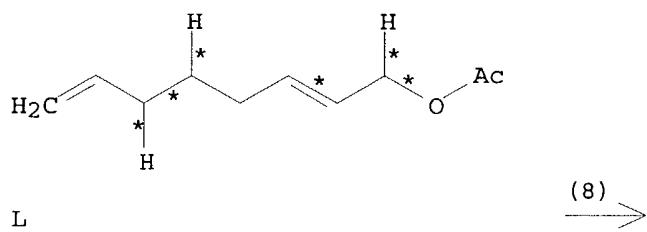


RX(7) RCT B 106-99-0, R 591-87-7
PRO S 106306-40-5
CAT 14024-61-4 Pd acetylacetone, 603-35-0 PPh₃, 97-93-8 AlEt₃
SOL 108-88-3 PhMe

RX(8) OF 18 2 B + L ==> T

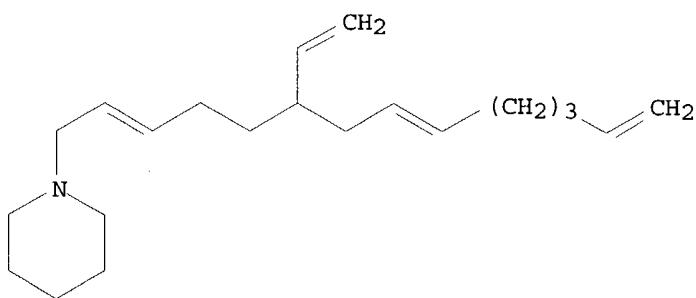
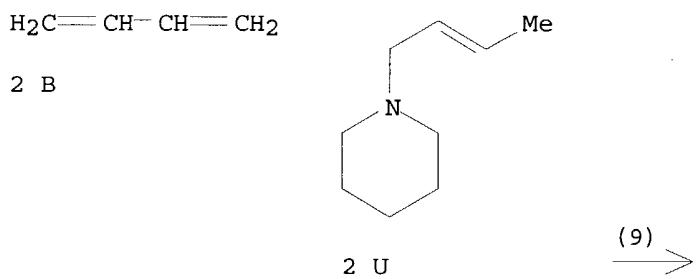


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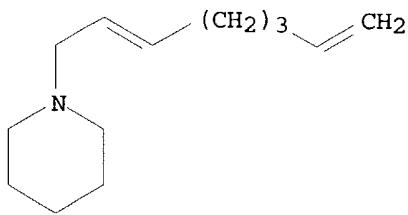


RX(8) RCT B 106-99-0, L 3491-27-8
PRO T 106306-41-6
CAT 14024-61-4 Pd acetylacetone, 603-35-0 PPh₃, 97-93-8 AlEt₃
SOL 108-88-3 PhMe

RX(9) OF 18 2 B + 2 U ==> C + A...



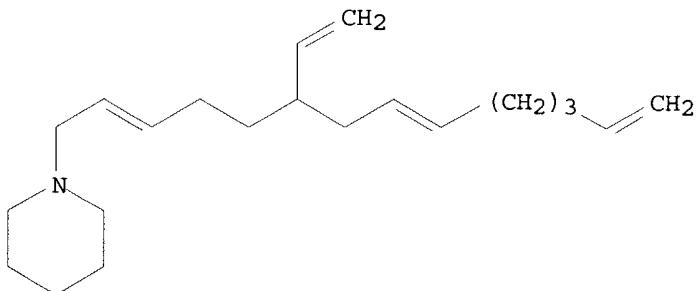
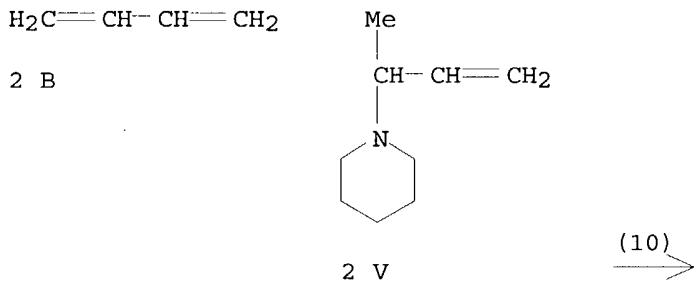
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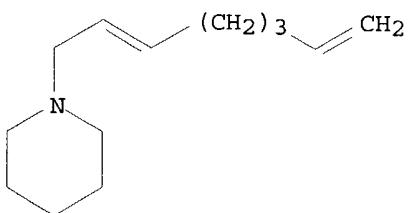
A

RX(9) RCT B 106-99-0, U 36807-52-0
PRO C 106306-35-8, A 67732-44-9
CAT 14024-61-4 Pd acetylacetone, 603-35-0 PPh₃, 97-93-8 AlEt₃
SOL 108-88-3 PhMe

RX(10) OF 18 2 B + 2 V ==> C + A...



C

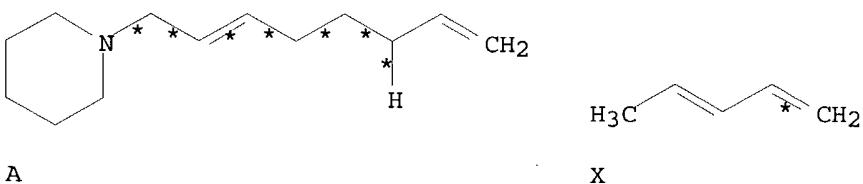
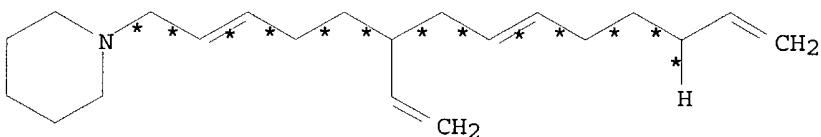
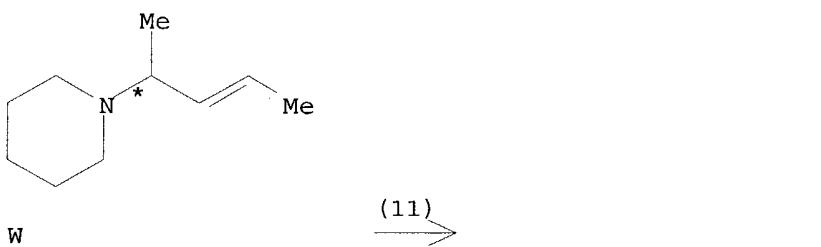
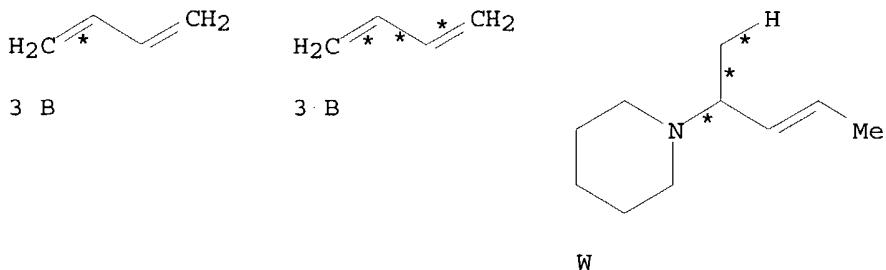


A

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RX(10) RCT B 106-99-0, V 37857-34-4
PRO C 106306-35-8, A 67732-44-9
CAT 14024-61-4 Pd acetylacetone, 603-35-0 PPh₃, 97-93-8 AlEt₃
SOL 108-88-3 PhMe

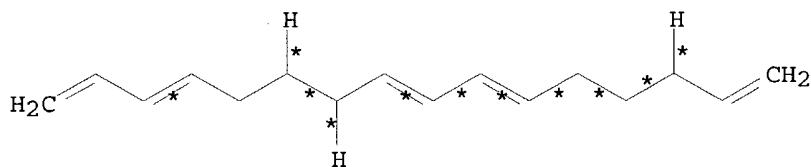
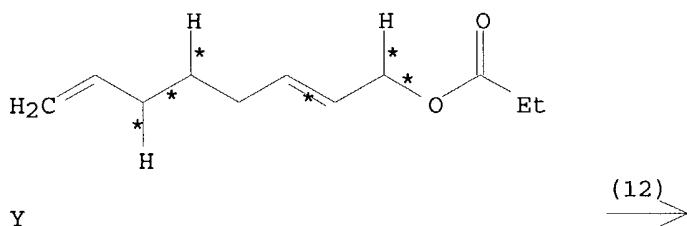
RX(11) OF 18 6 B + 2 W ==> C + A + X...



RX(11) RCT B 106-99-0, W 93548-39-1
PRO C 106306-35-8, A 67732-44-9, X 2004-70-8
CAT 14024-61-4 Pd acetylacetone, 603-35-0 PPh₃, 97-93-8 AlEt₃
SOL 108-88-3 PhMe

RX(12) OF 18 2 B + Y ==> T

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RX(12) RCT B 106-99-0, Y 76927-76-9
PRO T 106306-41-6
CAT 14024-61-4 Pd acetylacetone, 603-35-0 PPh₃, 97-93-8 AlEt₃
SOL 108-88-3 PhMe

| => log y | | |
|--|------------|---------|
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| FULL ESTIMATED COST | ENTRY | SESSION |
| | 336.91 | 917.24 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| CA SUBSCRIBER PRICE | ENTRY | SESSION |
| | -0.66 | -0.66 |

STN INTERNATIONAL LOGOFF AT 18:06:03 ON 03 SEP 2004